

C1D, 1-141aa, Human, His tag, E.coli

Cat.NO.: TP01382

3th Edition

Synonyms:Nuclear nucleic acid-binding protein C1D, hC1D, LRP1, SUN-CoR, SUNCOR

Description:Nuclear nucleic acid-binding protein C1D, also known as C1D, plays a role in the recruitment of the RNA exosome complex to pre-rRNA to mediate the 3'-5' end processing of the 5.8S rRNA; this function may include MPHOSPH6. This protein can activate PRKDC not only in the presence of linear DNA but also in the presence of supercoiled DNA. This protein can induce apoptosis in a p53/TP53 dependent manner. Recombinant human C1D protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.

Form:Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 0.2M NaCl, 50% glycerol, 2mM DTT

Molecular Weight:18.4kDa (164aa), confirmed by MALDI-TOF

Sequences:

MGSSHHHHHSSGLVPRGSHMGSMAGEEINEDYPVEIHEYLSAFENSIGAVDEMLKTMMMSVSRNELLQKLDPLEQ
AKVDLVSAYTLNSMFVYLATQGVNPKEHPVKQELERIRVYMNRVKEITDKKKAGKLDARGAASRFVKNALWEPKS
KNASKVANKGKSKS

Purity:> 95% by HPLC

Concentration:0.5 mg/ml (determined by Bradford assay)

Endotoxin Level:<1.0 EU per 1 ug of protein (determined by LAL method)

Storage:Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.